

45  
Fru = fructosyl;  
Fuc = fucosyl;  
Gal = galactosyl;  
GalNAc = N-acetylgalactosaminyl;  
Glc = glucosyl;  
GlcNAc = N-acetylglucosaminyl;  
Man = mannosyl; and  
NeuAc = sialyl (typically N-acetylneuraminyl).

IN THE CLAIMS:

Please amend claims 1, 23, and 32 as follows:

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1 1. (Amended) A commercial-scale production method of sialylating a  
2 saccharide group on a recombinant glycoprotein, the method comprising contacting a  
3 saccharide group which comprises a galactose or N-acetylgalactosamine acceptor moiety  
4 on a recombinant glycoprotein with a sialic acid donor moiety and a recombinant ST3  
5 Gal III sialyltransferase in a reaction mixture which provides reactants required for  
6 sialyltransferase activity for a sufficient time and under appropriate conditions to transfer  
7 sialic acid from said sialic acid donor moiety to said saccharide group.

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1 23. (Amended) A commercial-scale production method of sialylating a  
2 saccharide group on a recombinant glycoprotein, the method comprising contacting a  
3 saccharide group which comprises a galactose or an N-acetylgalactosamine acceptor  
4 moiety on a recombinant glycoprotein with a sialic acid donor moiety and a bacterial ST3  
5 Gal III sialyltransferase in a reaction mixture which provides reactants required for  
6 sialyltransferase activity for a sufficient time and under appropriate conditions to transfer  
7 sialic acid from said sialic acid donor moiety to said saccharide group.

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1 32. (Amended) A commercial-scale production method for *in vitro*  
2 sialylation of saccharide groups on a glycoprotein, said method comprising contacting